Canadian Journal of Microbiology

Author Index
Volume 46, 2000

Revue canadienne de microbiologie

Index des auteurs
Volume 46, 2000

Abdulmawjood, A., 946
Aguilar Uscanga, M.G., 1046
Aguilar, M., 159
Ahrazem, O., 101
Aiso, T., 577
Akao, T., 913
Altman, E., 961
Alvarez, M.A., 159, 278
Amentani, A., 892
Amer, G.A., 809
Ampleman, G., 110, 119
Andrade, V.S., 1042
Andrews, Jr., R.E., 542
Andrews, S., 736
April, T.M., 38
Aragno, M., 1029
Araki, Y., 370
Arora, D.K., 28
Arsenijevic, S., 938
Asther, M., 759
Auling, G., 1029
Austin, J.W., 295
Av-Gay, Y., 831
Ayub, M.A.Z., 1108
Azevedo, M. de O., 749
Babu, S., 520
Bae, H.D., 391
Bagnoli, G., 259
Balasubramanian, P., 520
Banks, D., 1171
Bansal, N., 481
Bapat, S., 125
Barbeau, B., 565
Bashan, Y., 653
Baum, L.L., 180
Beaudet, R., 433, 856, 866
Becker, M.R., 180
Bedini, S., 259
Beffa, T., 1029
Benoit, L., 908
Berent, L., 1082
Berg, G., 1128
Berg, N.N., 95
Berlanga, M., 716
Bernardo, D., 101
Berry, K.A., 998
Berte, A., 565
Bertheau, Y., 474
Bertrand, H., 229
Beshkova, D.M., 1123
Bidochka, M.J., 1138
Bisaillon, J.-G., 856
Bisenthal, C.J., 685
Blackwell, B., 633
Blake, C.K., 692
Blanc, M., 1029
Blanchard, J., 952
Blank, W.A., 832
Blix, A.S., 85
Blondeau, J.M., 867
Boček, P., 1066
Boland, G.J., 723
Bom, M., 723
Bowles, J.M., 195, 1145
Bressan, W., 741
Bressler, D.C., 397
Briscoe, D.A., 775
Brüggemann, J., 1012
Bruheim, P., 387
Brzezinski, R., 952
Buchner, A., 1128
Bukhari, Z., 700
Burd, G.I., 237
Bustillos, J.J., 653
Buzzini, P., 607
Calonje, M., 101
Campos-Takaki, G.M., 1042
Chadha, B.S., 669
Chamberlain, K., 550
Chang, C.J., 291
Chang, G.-N., 1149
Chang, Y.-J., 1012
Chen, J., 1171
Chen, W.-P., 841
Cheng, K.-J., 391
Cheon, C.-I., 81, 848
Chereau, D., 759
Cho, H.B., 417
Cho, J.-C., 417
Chow, A.W., 171
Chubatsu, L.S., 1087
Chun, J.-Y., 81, 848
Cimolai, N., 908
Clancy, J.L., 700
Clément, P., 485
Cleyet-Marel, J.C., 229
Cole, T., 246
Conlan, J.W., 283
Cooper, S., 1082
Cox, A.D., 283
Crawford, D.L., 550
Criquet, S., 189
Cropp, T.A., 506
Crost, C., 1101
Crowder, J., 1004
Csery, K., 28
Currah, R.S., 38
Daigle, F., 1101
Dandurand, L.-M., 1051
Davies, H.D., 920
Day, A.W., 800
de Araujo, P.S., 383
de Barros Lopes, M., 967
Défago, G., 898
Del Giudice, A., 1058
Del Giudice, L., 1058
Delia, M.-L., 1046
Demers, S., 623
Denoya, C.D., 506
Dharmalingam, K., 956
Dias, J.C.T., 525
Dimitrova, P., 218
Diósi, G., 559
Dixon, D.G., 237
Doi, Y., 304
Donaldson, R.C., 291
Donovan, R.S., 532
Dŏskař, J., 1066
Downing, K.J., 363
D'Silva, C.G., 391
Duchaine, C., 612
Egli, T., 72
Eichlerová, I., 1153
Eimhjellen, K., 387
Elias, D.A., 998
Elvira-Recuenco, M., 1036
Emerich, D.W., 600
Evans, K.L., 1004
Farah, C.A., 143
Farkas, G., 559
Farnet, A.M., 189

Fedorak, P.M., 397, 927
Fell, J.W., 7
Ferreira, J.C., 383
Filippi, C., 259
Fink, K., 946
Foght, J.M., 38
Fonseca, Á., 7
Forget, C., 1101
Forsberg, C.W., 59
Fountain, A., 159
Frändberg, E., 753
Frengova, G.I., 1123
Friedman, H., 885
Fukui, T., 304
Furusawa, I., 150
Gaillardin, C., 1115
Gallori, E., 770
Ganter, P.F., 967
Gao, L., 584
Garciá Mendoza, C., 101
Garduño, E., 660, 674
Garduño, R.A., 660, 674
Gaudet, D.A., 860
Gazsó, L.G., 559
Gee, L., 95
George, I., 679
Gil, G., 189
Gill, W.M., 246
Gillings, M.R., 775
Giovannetti, M., 259
Girvitz, T.L., 981
Glick, B.R., 237, 532, 898, 1159
Golovan, S., 59
González, B., 485
Gonzalez, N., 159
Gonzalez-Bashan, L.E., 653
Gordon, R., 618
Goux, S., 425
Gow, J., 618
Grauslund, M., 1096
Green, C.E., 278
Greer, C.W., 133
Grichko, V.P., 1159
Grill, J.P., 878
Grosser, R.J., 269
Gu, Y.H., 410, 992
Guerin-Laguette, A., 790
Guimarães, C.M., 1108
Guiot, S.R., 110, 119
Gunasekera, T.S., 775
Gunge, N., 1058
Haack, B.J., 542
Haahtela, K., 451
Hafner, E.W., 506
Harel, J., 1101
Harrison, B.A., 961
Hart, D.A., 920
Hashizume, I., 370
Hassan, A.A., 946
Hatsu, M., 350
Hawari, J.A., 110, 119
He, H., 618
Heinonsalo, J., 451
Henriques, J.A.P., 1108
Hernandez, J.P., 653
Hernandez-Borrell, J., 716
Herpoël, I., 759
Higuchi, K., 913
Hill, A., 908
Ho, K.-C., 1149
Hodgson, J., 110
Hoekstra, R.F., 593
Holland, R.J., 775
Holloman, W.K., 333
Holowenko, F.M., 927
Homolka, L., 1153
Hosoi, T., 892
Inagaki, A., 150
Inglis, G.D., 860
Ivanova, E., 218
Ivanova, I.A., 1012
Iwata, T., 304
Jain, R.K., 1
Jana, T.K., 28
Jarret, R.L., 1171
Jayasimhulu, K., 269
Jones, J.B., 1171
Jørgensen, K., 451
Joseleau, J.-P., 1153
Juck, D.F., 998
Juteau, P., 856
Kailerová, J., 1066
Kalmokoff, M.L., 295
Kaminogawa, S., 892
Kannangara, T., 1021
Kapoor, M., 981
Karr, D.B., 600
Kato, S., 325
Kawai, K., 350
Kawchuk, L.M., 860
Kay, W., 660, 674
Kevei, É., 593
Khanna, P., 211
Kilpatrick, M., 515
Kim, H.-S., 913
Kim, M.-S., 1077
Kim, S.-J., 417
Kinkle, B., 269
Kitts, C.L., 278
Kiuchi, K., 892
Klein, T.W., 885
Klepárník, K., 1066
Knill, E., 898
Knudsen, G.R., 1051
Ko, W.H., 410, 992
Kojic, M., 333
Kokjohn, T.A., 180
Komatsubara, S., 708
König, H., 490
Kotoujansky, A., 474
Kowalchuk, G.A., 1012
Kozakiewicz, Z., 593
Kremer, R.J., 600
Kryštofová, S., 312
Kubo, T., 577
Kubo, Y., 150
Kum, W.W.S., 171
Kuo, M.-Y., 841
Kuo, T.-T., 841
KuoLee, R., 283
Kurtzman, C.P., 50
Kurze, S., 1128
Kutty, R., 211
Kwon, J.-H., 848
Lachance, M.-A., 195, 495, 525, 1145
Lämmler, C., 946
Laramée, L., 133
Latta, R., 961
Laupland, K.B., 171
Laurent, F., 474
Lawrence, J.R., 133
Lebsky, V.K., 653
Lee, H.-S., 848
Lee, K.A., 1077
Lee, K.K., 961
Lee, M.-S., 81, 848
Lee, S.F., 584
Lee, S.-H., 81, 417
Lee, S.Y., 95
Lendenmann, U., 72
Le Petit, J., 189
Lépine, F., 856
Levasseur, M., 623
Li, T., 856
Linardi, V.R., 525
Lizama, A.L., 660, 674
Loke, P., 166, 764
Long, P.E., 1012
Lundgren, L.N., 753
Lyon, P.-F., 1029
Lyons, C., 908
Lyons, G., 817
Mabuchi, N., 370
MacKenzie, A.J., 730

MacKinnon, M.D., 927
Macnaughton, S.J., 1012
Madigan, M.T., 1166
Mahanty, H.K., 744
Malá, Z., 1066
Mandelbaum, R.T., 425
Manov, V., 218
Martin C., 1101
Martin, E.L., 180
Martini, A., 607
Massardo, D.R., 1058
Mathiesen, S.D., 85
Mattsson, U., 1091
Matusmoto, T., 358
May, H.D., 692
McAllister, T.A., 860
McArthur, H.A.I., 506
McCall, R.D., 817
McCuin, R.M., 700
McHugh, S., 885
McKinley, J.P., 1012
Melzer, M.J., 1138
Ménard, B., 565
Mériaux, A., 612
Messick, J.R., 1082
Mével, G., 465
Miller, E.S., 1004
Min, K.-H., 81, 848
Mise, K., 150
Miyakawa, I., 1058
Miyazaki, S., 358
Mizuki, E., 913
Monfort, P., 623
Monteiro, R.A., 1087
Montero, T., 716
Moore, A.R., 660, 674
Mosher, R.D., 1051
Moukha, S.M., 759
Mousain, D., 790
Mueller, C., 1145
Mukohata, Y., 376
Najdenski, H., 218
Nandakumar, R., 520
Natarajan, S., 495
Neethling, D.C., 775
Nerud, F., 1153
Neto, B.B., 1042
Nevalainen, K.M.H., 775
Ng, C.P., 166
Nguyen, H.-V., 1115
Normand, P., 229
Novaes-Ledieu, M., 101
Nuti, M.P., 259
Odumeru, J.A., 441
Oehrle, N.W., 600
Oh, H.-S., 81
Ohba, M., 913
Ohki, R., 577
Okuda, T., 708
Olivier, G., 660, 674
Olsen, M.A., 85
Olson, M.E., 920
Otley, R.A., 278
Otterbein, L., 759
Ouimet, P.M., 981
Ownley, B.H., 730
Pallová, P., 1066
Panek, A.D., 383
Pantazopoulous, P.E., 1166
Pantůček, R., 1066
Pantůčková, P., 1066
Park, Y.S., 913
Paul, J.W., 1021
Payment, P., 565
Pedras, M.S.C., 685
Pedrosa, F.O., 1087
Perrin, S., 878
Perry, M.B., 283
Petersson, C., 753
Petit, M., 679
Phaff, H.J., 195
Pinochet, X., 229
Plassard, C., 229, 790
Poças-Fonseca, M.J., 749
Popp, A.P., 860
Prévost, M., 565
Prieur, D., 465
Pulvirenti, A., 1115
Punja, Z.K., 1021
Pupovac-Velikonja, A., 495
Purohit, H.J., 211
Pussemier, L., 425
Raguchander, T., 520
Rascon, O., 159
Record, E., 759
Reinhardt, R.L., 180
Reynolds, K.A., 506
Rezende, R.P., 525
Rho, D., 110
Robinson, C.W., 532
Rocha, B.B., 749
Rønnow, B., 1096
Rosa, C.A., 195, 525
Rosypal, S., 1066
Rubinder, K., 669
Ruel, K., 1153
Ruiz, N., 716
Ruiz, T.R., 736
Růžičková, V., 1066
Saenz, D., 159
Saini, H.S., 669
Saitoh, H., 913
Samanta, S.K., 1
Samiyappan, R., 520
Sando, N., 1058
Sbrana, C., 259
Schlag-Edler, B., 495
Schlenstedt, R., 946
Schneider, F., 878
Schneider, G., 784
Schneider, J., 269
Schnürer, J., 753
Scorzetti, G., 7
Selinger, L.B., 391, 860
Sellstedt, A., 1091
Sen, R., 451
Servais, P., 679
Shaffer, J.J., 180
Shah, A.K., 125
Shanmugam, V., 520
Shapir, N., 425
Sharma, H.S.S., 515, 817
Shen, C.F., 119
Sherwood, C.S., 339
Shintani, M., 358
Silby, M.W., 744
Silva-Pereira, I., 749
Sim, T.-S., 166, 764
Šimkovič, M., 312
Simov, Z.I., 1123
Simova, E.D., 1123
Singh, S., 669
Sinha, I., 481
Siqueira de Carvalho, C.H., 741
Smalla, K., 1128
Smit, J., 339
Smith, G., 1082
Smith, G.B., 736
Smith, R.J., 800
Smogowicz, A.A., 506
Snozzi, M., 72
Sobouti, R., 831
Song, E.-S., 848
Sørmo, W., 85
Souza, E.M., 1087
Souza, W., 1042
Sparling, R.R., 998
Sprenger, S., 490
Springael, D., 485
Sriram, S., 520
Srivastava, A.K., 28
Starman, T.W., 730
Starmer, W.T., 195, 1145
Stemke, G.W., 832
Stephen, J.R., 1012

Stotzky, G., 770
St-Pierre, Y., 433, 866
Strehaiano, P., 784, 1046
Sudesh, K., 304
Suzuki, S., 708
Suzuki, T., 350
Svircev, A.M., 800
Sylvia, D.M., 741
Tagger, S., 189
Taillandier, P., 784
Takamizawa, K., 350
Takano, Y., 150
Tanaka, M., 376
Tateda, K., 358
Teather, R.M., 295
Tessier, M.C., 1101
Thiboutot, S., 110, 119
Thomas, J.-C., 433, 866
Thomson, J.A., 363
Tondo, E.C., 1108
Topisirovic, L., 938
Toshkova, R., 218
Tóth, B., 593
Touraine, B., 229
Tremblay, H., 952
Turner, R.F.B., 339
Uchida, S., 350
Unkefer, P.J., 278
Utkhede, R.S., 809, 1021
Utsi, T.H.A., 85
Van Hamme, J.D., 441
van Vuurde, J.W.L., 1036
Varecka, L., 312
Varga, J., 593
Vaughan, D., 867
Vetrivel, K.S., 956
Vettori, C., 770
Vidhyasekaran, P., 520
Villemur, R., 433, 856, 866
Viñas, M., 716
Virdi, J.S., 481
Wang, G., 59
Wang, C., 898
Ward, O.P., 441, 643
Warshawsky, D., 269
Watson, R.J., 633
Webb, A., 283
Wellington, E.M., 1128
White, D.C., 1012
Whitford, M.F., 295
Williams, K.L., 775
Windham, M.T., 730
Wolf, K., 1058
Wu, Q., 692
Xue, W., 269
Yamaguchi, K., 358
Yamamoto, Y., 885
Yamashita, S., 913
Yanchev, I., 218
Yang, M.-K., 841
Yanke, L.J., 391
Yanke, S.J., 920
Yates, M.G., 1087
Yildirim, A.Ö., 946
Yuasa, S., 376
Yumoto, I., 325
Zamir, L.O., 143
Zhang, J., 59
Zhao, J.-S., 643
Zhou, T., 800
Ziola, B., 95
Zweifel, S.G., 1058

Canadian Journal of Microbiology

Subject Index
Volume 46, 2000

Revue canadienne de microbiologie

Index des matières
Volume 46, 2000

15-deacetylcalonectrin, 143
16S rDNA, 133, 1082
16S, 1012
16SB23S rDNA spacer, 1171
1-aminocyclopropane-1-carboxylate, 1159
1-deoxynojirimycin, 1077
2,4,6-trinitrotoluene, 110
4-hydroxybenzoate decarboxylase, 856
ACC deaminase, 898, 1159
ACC, 1159
Achromobacter sp., 229
Actinobispora, 708
actinomycete, 708
adenoviruses, 417
adhesion, 28, 259
Aeromonas salmonicida, 660, 674
affinity chromatography, 474
AFLP, 967
Agaricus bisporus, 246, 515
alcohol metabolism, 1166
algae, 623
alginate, 653, 809
alkane, 387
allozymes, 775
amidase, 525
amides, 525
ammonium sulfate, 1046
amoA, 1012
amylase hyper-producing strain, 669
anaerobic conditions, 856
angular dioxygenase, 397
animal model, 920
antibiosis, 125
antibiotic resistance, 992
antibiotic susceptibility, 1108
antifungal properties, 1128
antifungal, 744, 753
antigen P1, 584
appressorium formation, 150
Arctic, 623
arsenic resistance, 481
Aspergillus ochraceus, 593
associated bacteria, 259
atrazine, 425
avermectin, 506
azalomycin F, 312
β-N-acetylglucosaminidase, 85
β-D-glucuronidase activity, 679
β-glucosidase inhibitor, 1077
β-lactam antibiotics, 166
Bacillus, 1004
Bacillus brevis, 125
Bacillus cereus, 370
Bacillus sp., 784
Bacillus subtilis (*natto*), 892
Bacillus subtilis, 809
Bacillus thuringiensis parasporal inclusion, 913
Bacillus thuringiensis, 542
bacteria, 387, 623
bacterial adhesion, 961
bacterial community, 451
bacterial immobilization, 653
bacterial L-forms, 218
bacteriophages, 841, 1066
bafilomycin, 753
Bartonella henselae, 908
basidiomycetous yeasts, 7
beer spoilage bacteria, 95
Bifidobacterium, 878
bile salt, 878
biocontrol, 259, 550, 898, 1128
biodegradable plastic, 304
biodegradation, 269, 550 643, 826
biodiversity, 1036
biofilm characterization, 339
biogeography, 195, 1145
Biolog, 451
biological control, 125, 363, 1021
bioremediation, 38, 119, 433
biosensor, 350
biotype 1A, 481
Bradyrhizobium japonicum, 600
Brassica napus, 229, 723
Brassica rapa, 723
Brettanomyces bruxellensis, 1046
Ca^{2+} efflux, 312
Ca^{2+} influx, 312
CAD genes, 150
cadmium resistance, 481
CAMP factor, 946
Candida guilliermondii, 525
Candida tropicalis, 350
Candida, 50, 1145
capsule, 660
carbazole, 269, 397
carbon dioxide, 784
carbon source utilization, 451
carbon sources, 749
carboxin, 333
cat scratch disease, 908
catabolic gene, 133
catabolite repression, 669
catalase, 892
Caulobacter crescentus, 339
cell wall proteins, 584
cell walls, 101
cell-free system, 143
cellobiohydrolase genes, 749
cellular states, 679
cellulase, 860
cetacea, 85
cfb, 946
cfu, 946
characterization, 370
chitin, 1042
chitinase, 85, 363, 370, 956
chitosan, 1042
chitosanase, 952
cholesterol, 826
Clavispora, 195
clay, 770
clear plaque, 841
coculture, 856
Colletotrichum lagenarium, 150
Comamonas acidovorans, 304
cometabolism, 643
community structure, 441
complementation, 744
compost quality, 515
compost, 817, 1029
conidia, 981
consensus primers, 166
consortium, 133
continuous culture, 72
Cryptococcus albidus, 7
Cryptosporidium, 700
cultivar screening, 1036
culturability, 623

Cunninghamella elegans, 1042
cuticle, 817
cytocidal activity, 913
cytokine receptors, 855
cytokines, 171
dairy products, 1108
data homogeneity, 967
daunorubicin, 956
deconjugation, 878
deletion, 485
Dendranthema X *grandiflorum*, 730
deoxynivalenol, 692
development, 312
di-alcohols, 1166
diauxic growth, 784
dibenzofuran, 397
dibenzothiophene, 397
diclofop-methyl, 133
differential screening, 150
distribution, 708
divE gene, 577
D-leucine, 376
DNA sequencing, 211
drinking water, 565
drippy gill, 246
ectomycorrhiza, 790
electron microscopy, 218, 1153
ELISA, 723
endophyte, 363
endophytic bacteria, 1036
Enterobacter cloacae, 278, 1159
Enterococcus faecalis, 542
enteroviruses, 417
entomopathogen, 1138
environmental parameters, 465
enzyme-linked immunosorbent assay, 723
enzymes, 860
Eperythrozoon suis, 1082
epifluorescence, 339
equalized cDNA library, 150
Escherichia coli O157:H7, 283
Escherichia coli, 679, 841, 1101
ethylene biosensors, 898
exopolysaccharides, 1123
expression vectors, 333
expression, 1091
extracellular, 246
extreme halophile, 180
exudate cells, 674
F_{420}, 998
fatty acid biosynthesis, 506
filamentous fungi, 38, 759, 981
fimbriae, 800, 961, 1101
fine tailings, 927
FISH, 133
flare pits, 38
flavoprotein, 143
fliU gene, 1149
flowers, 1145
fluorene, 397
fluoresceindiacetate, 387
Frankia KB5, 1091
freeze-fracture electron microscopy, 304
freshwater, 679
fructose, 72
fulvic acid, 633
fungi, 550
furunculosis, 660, 674
fusarial wilt, 125
fusaric acid, 692
Fusarium culmorum, 143
Fusarium oxysporum f.sp. *radicis-cucumerinum*, 1021
Fusarium oxysporum f.sp. *cucurbitacearum*, 809
G418, 333
galactose, 72
gellan gum, 708
gender, 920
gene expression, 749, 1149
genetic exchange, 542
genetic map, 832
genome size, 1082
germicidal UV, 180
germination, 981
Giardia, 700
Glomus etunicatum, 741
glucose, 72
glycoconjugate vaccine, 283
glycosphingolipids, 961
glycosyl hydrolase, 952
glyoxylate pathway, 764
groundwater, 159, 1012
GUT2, 1096
Halobacterium, 180
Halomonas, 180
halophilic archaea, 376
health risk, 565
heavy metals, 237
Herbaspirillum seropedicae, 1087
heterotrophic nitrification, 465
host-specific nitrogen fixation, 81
host-specificity, 81
hsfA gene, 81
Hsp90, 981
human cancer cell, 913
humic acid, 633
Humicola, 749
hydrocarbon degradation, 38
hydrogenase, 1091
hydrophobicity, 28
hygromycin, 333
hypersuppressive, 1058
hyphal growth, 753
image analysis, 339
immunoassay, 723
immunocytochemistry, 800
immunostimulation, 218
in vivo, 674
inhibition, 119
inhibitory effects, 623
inoculation, 790
insects, 1145
internally seedborne microorganisms, 600
interspecific nuclear transfer, 410
intracellular, 246
intracellular bacteria, 660
intraperitoneal implants, 674
invasion, 660
in-vessel, 817
isopenicillin N synthase, 166
isotrichodermin, 143
ITS region, 593
kaolin, 809
karyogamy, 410
karyotype, 1115
keratin hydrolysis, 1004
keratinase, 1004
killer activity, 607
Kluyvera ascorbata, 237
Kluyveromyces, 1115
laccase, *189*
Lactarius deliciosus, 790
Lactarius sanguifluus, 790
Lactobacillus acidophilus, 938
Lactobacillus bulgaricus, 1123
Lactobacillus, 892
lacZ gene expression, 577
laser flow cytometry, 433
Legionella pneumophila, 885
legume–*Rhizobium* symbiosis, 81
leucine responsive regulatory protein, 1159
lichen species, 1077
lignin peroxidase, 110
ligninolytic enzymes, 1153
lignocellulosic substrates, 749
lipopolysaccharide, 660
localization, 391
LP-RAPD analysis, 775
lycorine, 1058
m-aminophenol, 211
macrophages, 218, 885
Macrophomina phaseolina, 28

major histocompatibility complex class II binding site, 171
maltase activity, 383
maltose permease activity, 383
maltose, 72
managanese peroxidase, 110
Marasmius quercophilus, 189
marine bacteria, 325
material balances, 784
MCH-PCR, 425
mediator, 189
Megasphaera cerevisiae, 95
membrane dissolution, 700
metabolites, 119
Metarhizium anisopliae, 1138
methane, 927
Methanobrevibacter ruminantium, 692
methanogen, 998
methanogens, 927
methanol utilization, 50
MIC, 753
mice, 283
microalgae, 653
microbial attachment, 600
microbial gas production, 559
mineral uptake, 229
mineralization, 269, 425
mitochondria, 1058
mitochondrial DNA, 593
mitochondrial glycerol-3-phosphate dehydrogenase, 1096
mitochondrial hybrid, 992
mitochondrial transplantation, 992
mitogenesis, 171
mixed culture, 441
mobilization functions, 485
modelling, 515
moderate halophile, 180
molecular fingerprint, 1128
molecular systematics, 7, 50
mollicutes, 832
monoclonal antibodies, 95
monod model, 72
Morganella morganii, 278
MRSA, 920
MS-2, 159
MSSA, 920
mucosal immunity, 283
multiplex PCR, 417
mutagenesis, 180, 938
mycobacteria, 826
Mycobotryum violaceum, 800
Mycoplasma hyopneumoniae, 832
Mycoplasma pneumoniae group, 1082
mycorrhiza, 741
mycorrhizosphere, 451
mycotoxins, 692
Na^+-translocating, 325
NADH-quinone reductase, 325
$NADP^+$, 998
NADP reductase, 998
NADP:F_{420} oxidoreductase, 998
naphthalene, 1
nematode, 618
new yeast species, 50
N-heterocyclic aromatic hydrocarbons, 269
NifA protein, 1087
nitrification, 1012
nitrile hydrolyzing enzyme, 525
nitriles, 525
nitrobenzene, 643
nitrogen fixation, 653, 1087
nitrogenase, 1091
nitrophenol, 643
nitroreductase, 278, 643
Nitrosomonas, 1012
Nitrosospira, 1012
non-haemolytic, 913
non-insecticidal, 913
non-polar hydrocarbons, 451
nourseothricin, 333
NTG mutagenesis, 956
nuclear waste disposal, 559
nucleic acid degradation, 736
nucleotides, 490
nutrition, 1046
nutritional requirements, 291
oat bran, 809
oil sands, 927
oligosaccharides, 490
oxydoreductase, 759
Paecilomyces lilacinus, 775
parasexual cycle, 410
partial least squares model, 515
pathogen occurrence, 565
PCR inhibitor, 633
PCR, 325, 542
p-cresol, 119
pea, 1036
peat moss, 809
pectinase, 474
penicillin G, 600
petroleum, 38
petroleum hydrocarbons, 441
PFGE, 1108
phage PBS1 of *B. subtilis*, 770
Phanerochaete chrysosporium, 110
phase contrast, 339
phase variation, 1101
phenol carboxylation, 856
phenol degradation, 189
phospholipid fatty acid analysis, 441
Phyllobacterium, 653
phylogenetic analysis, 593
physical map, 832
physiology, 515
phytase, 391
Phytophthora capsici, 410, 992
Phytophthora parasitica, 410, 992
phytoremediation, 237, 451
Pichia kluyveri, 967
Pichia, 50
pigeon pea, 125
Pinus, 790
pJP4, 485
plant growth promotion, 730
plant growth-promoting rhizobacteria, 229, 898, 1159
plant propagation, 730
plasmid-encoded chemotaxis, 1
Pleurotus ostreatus, 1153
poliovirus, 159
poly(4-hydroxybutyrate), 304
polyclonal antibody, 474
polycyclic aromatic hydrocarbons, 433
polyhydroxyalkanoates, 304
polymerase chain reaction, 764
polysaccharides, 101
predacious yeasts, 495
primary alcohols, 1166
primary metabolism, 764
probiotic, 892
promoter-like sequence, 938
prophage specific probes, 1066
protease, 1138
protein anchoring, 584
protein expression, 1087
protein motif, 952
Proteus mirabilis, 961
protoplast fusion, 669
Pseudomonas agarici, 246
Pseudomonas aureofaciens PA147-2, 744
Pseudomonas fluorescens, 28
Pseudomonas putida, 1, 643, 809
Pseudomonas spp., 259
Pseudomonas, 1128
psychrophile, 860
public health, 565
pulsed-field gel electrophoresis, 1082

purification, 370, 759, 856
purple nonsulfur bacteria, 1166
Pythium aphanidermatum, 809
radiosensitivity, 559
RAPD, 967
RDX, 278
*rec*A, 744
receptors, 961
regulation, 1101
resorcinol, 211
restriction endonuclease maps, 1066
RFLP, 1138
Rhizoctonia solani, 520
Rhodobacter capsulatus, 1166
ribose, 72
ribosomal DNA, 7, 50, 195, 1115
rice sheath blight disease, 520
root morphology, 229
rrn operon numbers, 1171
RS-toxin, 520
ruminal bacteria, 391
ruminal fluid, 736
Ruminococcus albus, 692
Saccharomyces cerevisiae, 383, 490, 1058, 1096
Saccharomycopsis, 495
salicylate, 1, 312
Salmonella choleraesuis, 1149
Salmonella muenchen, 1149
sclerotinia stem rot of canola, 723
SCLM, 133
Scots pine, 451
sea ice, 623
secondary metabolism, 166
selective isolation, 708
Selenomonas envelope surface SLH domain, 295
septicaemia, 1101
sequence, 981
serodiagnosis, 908
serogroups, 95
serological detection, 723
seroprevalence, 908
siderophore production, 559
siderophores, 237
siltstone formation, 559
site-directed mutagenesis, 584
S-layer, 660
snow mould, 860
sodium ion-dependent transport, 376
soft rot disease, 474
soil DNA, 633
soil microorganisms, 633
soil, 433
solar UV, 180
somatic embryos, 741
soybean (*Glycine max*), 600
speciation, 195
Sphingomonas, 433
sporulation, 383
Staphylococcus aureus, 920, 1066, 1108
starter cultures, 1123
Steinernema, 618
stem colonization, 1036
stereospecific recognition, 376
stoichiometry, 376
straw, 817
Streptococcus canis, 946
Streptococcus mutans, 584
Streptococcus thermophilus, 1123
Streptomyces avermitilis, 506
Streptomyces halstedii, 753
Streptomyces peucetius, 956
Streptomyces, 1128
Streptomyces, 550
subtilisin, 892, 1004
sulfate transport deficiency, 495
sulfate-reducing bacteria, 927
superantigen, 171
surface proteins, 95
surfactant, 110
surfactants, 387
survival, 679
swine waste, 542
symbionts, 618
symbiotic microbial digestion, 85
talc, 809
tap water, 417
taxonomy, 7, 1115
thatch, 550
Thermomyces lanuginosus, 669
thermophilic aerobic bacteria, 1029
thermophilic bacteria, 465
thermostable enzyme, 1029
Thermus, 1029
Tn*916*, 542
TNT, 110, 278
toxic shock syndrome toxin-1, 171
toxin inactivation, 520
transcriptional activator, 1087
transcriptional regulation, 1096
transduction, 770
transmission electron microscopy, 391
Trichoderma viride, 312, 520
trichothecene, 143
trinitrotoluene, 119
tRNA, 1171
$tRNA_1^{Ser}$, 577
tropical environments, 607
Tuber borchii, 259
turbid plaque, 841
UCA codon, 577
Umbilicaria esculenta, 1077
uncoupler, 312
UV sensitivity, 775
UV, 770
Venturia inaequalis, 800
vermiculite, 809
Verticillium fungicola, 101
viability, 700, 878
virus inactivation, 159
virus reactivation, 159
vital stains, 339
wastewater treatment, 653
wastewater, 736
wheat bran, 809
white-rot fungus, 110
Wickerhamiella, 1145
wild edible mushrooms, 790
windrow, 817
wood degradation, 1153
Xenorhabdus bovienii, 618
Xenorhabdus, 618
xylanase, 860, 1029
Xylella fastidiosa, 291, 1171
xylitol dehydrogenase, 350
xylitol, 350
yeast extract, 1046
yeast, 490, 967, 1058, 1115
yeasts, 607
Yersinia enterocolitica, 218, 481
Yersinia intermedia, 481
yogurt, 1123
zygomycetes, 1042